

**ETHYLENE TRIMERIZATION CATALYST AND METHOD FOR TRIMERIZING ETHYLENE USING THE SAME**

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**Abstract of JP2002045703**

**PROBLEM TO BE SOLVED:** To efficiently and highly selectively produce 1-hexene from ethylene.

**SOLUTION:** This ethylene trimerization catalyst comprises a chromium complex coordinated with a neutral multidentate ligand having a tripod type structure, represented by formula (1)  $ACrB_n$  (wherein  $n$  is an integer of 1 to 3;  $A$  is a neutral multidentate ligand having a tripod type structure;  $Cr$  is a chromium atom; and  $B$  is one or more kinds selected from a group consisting of a hydrogen atom, a halogen atom, and a linear or branched alkyl), an alkyl metal compound, and an olefin compound.

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